## Focus Area 1 Diversifying Supply Lead: Bruce Moyer, ORNL Deputy: R. Scott Herbst, INL

## **Expanding Sources**

C. Anderson, Mines

Lithium Extraction and Conversion from Brines; S. Harrison, AAE (1.1.11)

Critical Material Recovery from Ores and Lean Sources;

S. Bryantsev, ORNL (1.1.12)

Recovery of Critical Materials as By-Products; *C. Anderson, Mines* (1.1.13)

## **Transformative Processes**

R.S. Herbst, INL

New In-Silico Molecular Design Methods for Improved Separations; *T. Windus, Ames* (1.2.11)

Low-Temperature Electrochemical Synthesis of Graphite; *S. Dai, ORNL* (1.2.12)

Molten Fluorides for Rare Earth Electroreduction; *P. Taylor, Mines* (1.2.13)

Enhanced Separation of Critical Materials; *K. Lyon, INL* (1.2.14)

## **New Uses for Co-Products**

O. Rios, ORNL

Structure and Properties of Cerium-Strengthened Aluminum Alloys; O. Rios, ORNL (1.3.11)

For the most current list of CMI invention disclosures, see <a href="https://cmi.ameslab.gov/research/cmi-invention-disclosures">https://cmi.ameslab.gov/research/cmi-invention-disclosures</a>
CMI developed unique facilities to speed research success, see <a href="https://cmi.ameslab.gov/research/unique-facilities/overview">https://cmi.ameslab.gov/research/unique-facilities/overview</a>